REMEDIATION SYSTEM EVALUATION REPORT JANUARY THROUGH MARCH 2010 FORMER GENERAL MOTORS CORPORATION ALLISON GAS TURBINE DIVISION, PLANT 10 700 NORTH OLIN AVENUE INDIANAPOLIS, INDIANA IDEM VRP #6991004 KERAMIDA PROJECT NO. 2829E

ATTACHMENT 5

January 2010 - Groundwater Sample Information Sheets

	U 110 U1						
Facility Name: G>P>fo	ormer Alliso	n Plant 10	KEI Projec				
Sample I.D.: \(\int \mathcal{W} \)	<u> </u>		Well Locat	tion:			
Monitor	ing Well Da				Types (cir	cle all app	licable)
Well Material	<u>.</u>	(PVC/SS/Teflo		onitoring W			
Inside Diameter, in.	_	(12)4 6)		ab/Compos	ite		
Stick up or stick down h	eight _			lit Sample			
Total depth of well (TD)	_	15.00		uplicate (Du	plicate ID:)
Depth to product	_	1	ft M	S/MSD			
Depth to water (DTW)		11.96	ft Ot	her			
Conventional sa	ampling	(⇔OR⇒			opurge sar	npling	
Height of water column			Depth of pu		ent		
(H = TD - DTW)		ft	(place m	id-screen)			1,00 ft
Conversion value (CV)*	X		Bubbles pu	_	low cell?		Ø/N
1 Well volume = H x CV	/ =	gal	Is drawdow	n > 0.3 feet			(Y)/N
3 Well volumes =		gal	Was passiv	e sampling	used?		Y/D
Purge method			Flowrate =				mL/min
(B = bailer, P = pump	b) B/P		ID number			e #	
*Conversion values (gal	/ft): 1" dia =	0.04, 2" dia =	0.16, 4" dia =	= 0.65, 6" di	a = 1.47		
Field Test(s)	Stability	Result Res		Result	Result	Result	Result
Performed	Range	$\frac{\text{(3 min)}}{\text{(6 m)}}$			(15 min)	(18 min)	(21 min)
Temperature (°C)	+/- 3%	10.20 101					
Spec. Cond (µmhos)	+/- 3%	3.50 3.6					
(+/- 10%**						
pH	+/- 0.1	152 149		Approximate the short of the sh			
	/- 10 mV** +/- 10%**	134 197				And the second s	
	+/- 10%	-					
$H_2S \text{ (mg/L)}$ $Fe^{2+} \text{ (mg/L)}$							
Check stability after thre	e readings at	nd every readin	g thereafter u	ntil achieve	d.		
**Only one of these para							
omj <u>om</u>							
Observations:		,					
Volume of water purged	from well:	<u>M/9</u> gallon	S				
Sample Date: _/_/_	<u> 11_10</u>	Sample	Time: //_:				
Was metals sample filter	red prior to p	reservation?	YES (NO,	method: (0.45 μm car	tridge / otl	ner:
Color of water before file	tration: <i>L</i>	/ After f	iltration:/	<u> 4</u>	/		
Color of water before filtration: After filtration:							
Appearance of Water: (Clear/Slightl	y Turbid/Turbio	d/Very Turbio	1)			
Well condition: OK							
· · · · · · · · · · · · · · · · · · ·		1				7	
	—		>	_	1/2-1	Low .	

Facility Name: G> P > former Allison Plant 10		KEI Project #: 2829E		
Sample I.D.: MW-163		Well Location:		
Monitoring Well Data		Sample Types (circle all applicable)		
	VC/SS/Teflo	n) Monitoring Well		
Inside Diameter, in.	(1224 6)	Graø/Composite		
Stick up or stick down height		ft Split Sample		
Total depth of well (TD)	19.47	ft Duplicate (Duplicate ID:)		
Depth to product		ft MS/MSD		
Depth to water (DTW)	11.80	ft Other		
Conventional sampling	(⇒OR⇒	Micropurge sampling		
Height of water column		Depth of pump placement		
	it	(place mid-screen) . 16.47 ft		
Conversion value (CV)* x		Bubbles purged from flow cell? Y N		
1 Well volume = $H \times CV = ga$	ıl	Is drawdown >0.3 feet		
3 Well volumes = ga		Was passive sampling used? Y/N		
Purge method		Flowrate = mL/min		
(B = bailer, P = pump) B / P		ID number from controller console #		
*Conversion values (gal/ft): 1" dia = 0.	$\overline{04}$, 2" dia = 0	0.16, 4" dia = 0.65, 6" dia = 1.47		
Field Test(s) Stability R	Result Resu			
2	<u>8 min) (6 mi</u>			
1 Temperature (e)	0.83 10.81			
Spec. come (p)	970 ,96			
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2.88 2.84			
1 P	1.84 6.83			
	205 208	_ 208		
Turbidity (NTU) +/- 10%** _				
$H_2S (mg/L)$				
Fe ²⁺ (mg/L)	1:	the restaurantil cobiavad		
Check stability after three readings and	every reading	thereafter until acmeved.		
**Only one of these parameters must re	ach stability.			
Observations: Volume of water purged from well:	//A gallons			
Sample Date: 1/27/10	Sample	Time: $\frac{1}{20}$ (military time)		
West restals somela filtered prior to pres				
Reaction upon addition of preservatives? YES YES explain:				
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)				
Well condition: OK		· · · · · · · · · · · · · · · · · · ·		
TO CONCINCTO				

GROUNDWATER SAME				
Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E			
Sample I.D.: MW-173	Well Location:			
Monitoring Well Data	Sample Types (circle all applicable)			
Well Material (PVC/SS/Teflo:				
Inside Diameter, in. $(1(2)46)$	Grab/Composite			
	ft Split Sample Split Sample Durlingto ID:			
2 3 4 4 7	ft Duplicate (Duplicate ID:)			
2 optil to Protein	ft MS/MSD			
Depth to water (DTW) /3,85	ft Other			
Conventional sampling ←OR⇒	Micropurge sampling			
Height of water column	Depth of pump placement			
(H = TD - DTW) ft	(place mid-screen) /4.55 ft			
Conversion value (CV)* x	Bubbles purged from flow cell?			
1 Well volume = H x CV = gal	Is drawdown >0.3 feet			
3 Well volumes = gal	Was passive sampling used? Y/\(\frac{Y}{\psi}\)			
Purge method	Flowrate = mL/min			
(B = bailer, P = pump) B/P	ID number from controller console #			
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0	0.16, 4" dia = $0.65, 6$ " dia = 1.47			
Field Test(s) Stability Result Resu	ılt Result Result Result Result			
Field Test(s)StabilityResultResultPerformedRange(3 min)(6 min)	Military and the second			
Temperature (°C) +/- 3% /0.59 /0.5				
Spec Cond (umhos) +/- 3% 1493 1493	2 . 692			
DO (mg/L) +/- 10%** 3.15 2.99	2.89			
pH +/- 0.1 7.08 7,0	7,26			
ORP (mV) +/- 10 mV** 290 290				
Turbidity (NTU) +/- 10%**				
$H_2S (mg/L)$				
Fe^{2+} (mg/L)				
Check stability after three readings and every reading thereafter until achieved.				
**Only one of these parameters must reach stability.				
Observations				
Observations: Volume of water purged from well: Ma gallons				
Sample Date: / /2-7 / / Sample Was metals sample filtered prior to preservation?	Time: H : H) (military time)			
Was metals sample filtered prior to preservation?	YES (NO) method: 0.45 um cartridge / other:			
Color of water before filtration: $N/4$ After fi	Itration: MA			
Color of water before filtration: After fi Reaction upon addition of preservatives? YES	(i) explain: 1/4			
Appearance of Water: (Clear/Slightly Turbid/Turbid	/Very Turbid)			
Well condition: OK				
	Date: //21//0			
Signature:	Date://61///			

Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E			
Sample I.D.: mw - 156	Well Location:			
Monitoring Well Data Well Material (PVC/SS/Teflo				
Inside Diameter, in. (1246)	Grab/Composite			
Stick up or stick down height	ft Split Sample			
Total depth of well (TD) 18.53	ft Duplicate (Duplicate ID:)			
Depth to product	ft MS/MSD			
Depth to water (DTW) 12.51	ft Other			
Conventional sampling ←OR⇒	Micropurge sampling			
Height of water column	Depth of pump placement			
(H = TD - DTW) ft	(place mid-screen) (5.53 ft			
Conversion value (CV)* x	Bubbles purged from flow cell? YN			
1 Well volume = $H \times CV$ = gal	Is drawdown >0.3 feet			
3 Well volumes = = gal	Was passive sampling used? Y/(N)			
Purge method	Flowrate = mL/min			
(B = bailer, P = pump) B/P	ID number from controller console #			
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0	0.16, 4" dia = $0.65, 6$ " dia = 1.47			
Field Test(s) Stability Result Resu	ılt Result <u>Result</u> <u>Result</u> <u>Result</u>			
Performed Range (3 min) (6 min)	in) (9 min) (12 min) (15 min) (18 min) (21 min)			
Temperature (°C) +/- 3% 9.65 2.67				
Spec. Cond (umhos) +/-3% /72/ /7/8				
D.O. (mg/L) +/- 10%** 5.40 3.40	3.30			
pH +/- 0.1 7.10 7.10				
ORP (mV) +/- 10 mV** 3/0 3/2	312			
Turbidity (NTU) +/- 10%**				
$H_2S (mg/L)$				
Fe ²⁺ (mg/L)				
Check stability after three readings and every reading	g thereafter until achieved.			
**Only one of these parameters must reach stability.				
Observations:				
Volume of water purged from well: gallons	(2 AS) (-11/414/1-12)			
	Time: (3 : 60 (military time)			
Was metals sample filtered prior to preservation?	YES method: 0.45 μm cartridge / other:			
Color of water before filtration: After filtrati				
Appearance of Water: (Clear/Slightly Purbid/Turbid	7 Very Turbia)			
Well condition: 0 K				
	· · · · · · · · · · · · · · · · · · ·			

GROUNDWATER SAMPLE INFORMATION SHEET				
Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E			
Sample I.D.: $M(N - 151)$	Well Location:			
Monitoring Well Data	Sample Types (circle all applicable)			
Well Material (PVC/SS/Tef.	lon) Monitoring Well			
Inside Diameter, in. $(1/2/4 6)$	Grab/Composite			
Stick up or stick down height	ft Split Sample			
Total depth of well (TD) 18.67	ft Duplicate (Duplicate ID:)			
Depth to product	ft MS/MSD			
Depth to water (DTW) 14,25	ft Other			
Conventional sampling ←OR=				
Height of water column	Depth of pump placement			
(H = TD - DTW) ft	(place mid-screen) /5.67 ft			
Conversion value (CV)* x	Bubbles purged from flow cell? (Ŷ) N			
1 Well volume = H x CV _= gal	Is drawdown >0.3 feet $\frac{(Y)^2}{N}$			
3 Well volumes = gal	Was passive sampling used? Y(N)			
Purge method	Flowrate = mL/min			
(B = bailer, P = pump) B / P	ID number from controller console #			
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia =	= 0.16, 4" dia $= 0.65, 6$ " dia $= 1.47$			
	i D i D i D i D i D i D i D i D i D i D			
	esult Result Result Result Result Result (12 min) (15 min) (18 min) (21 min)			
	min) (9 min) (12 min) (15 min) (18 min) (21 min)			
Temperature (°C) +/- 3%				
Spec. Cond (\(\mu\)mhos) +/- 3\%				
pH +/- 0.1 ORP (mV) +/- 10 mV**				
Turbidity (NTU) +/- 10 %**				
H ₂ S (mg/L)				
Fe ²⁺ (mg/L)				
Check stability after three readings and every reading	ng thereafter until achieved.			
**Only one of these parameters must reach stability	y.			
- J				
Observations:				
Volume of water purged from well: <u>N/A</u> gallo	ons			
Sample Date: <u>/ / 27/1/</u> Sampl	le Time: $\frac{13}{20}$: $\frac{20}{20}$ (military time)			
Was metals sample filtered prior to preservation?	he Time: 13 : 20 (military time) YES NO method: 0.45 µm cartridge / other:			
Color of water before filtration: N/A After	filtration: N(A			
Color of water before filtration: After filtration: \(\text{\text{\$\sigma}} \) After filtration: \(\text{\text{\$\sigma}} \) explain: \(\text{\text{\$\sigma}} \) explain:				
Appearance of Water: (Clear/Slightly Turbid/Turb	id/Very Turbid)			
Well condition: Ok				
and the same of th				
	1/2-/			

GROUND WATER BRINE EN CORMITTON SIEDE				
Facility Name: Hill Rom Plane In	11 Q.P.	KEI Project #: 122 2829-E		
Sample I.D.: Mw-157		Well Location:		
Monitoring Well D	ata	Sample Types (circ	cle all applicable)	
Well Material	PYC/SS/Teflo	n) Monitoring Well		
Inside Diameter, in.	(1/2 4 6)	Grab/Composite		
Stick up or stick down height		ft Split Sample		
Total depth of well (TD)	17.18	ft Duplicate (Duplicate ID:		
Depth to product		ft MS/MSD		
Depth to water (DTW)	12.49	ft Other		
Conventional sampling	(≠OR⇒	Micropurge san	npling	
Height of water column		Depth of pump placement		
(H = TD - DTW)	ft	(place mid-screen)	14.18 f	
Conversion value $(CV)^*$ x		Bubbles purged from flow cell?	<u>Y</u> N	
1 Well volume = H x CV =	gal	Is drawdown >0.3 feet	Ϋ́N	
3 Well volumes = =	gal	Was passive sampling used?	Y(N)	
Purge method		Flowrate =	mL/mii	
(B = bailer, P = pump) B / I		ID number from controller console	2 	
*Conversion values (gal/ft): 1" dia	= 0.04, 2" dia = 0	0.16, 4" dia = $0.65, 6$ " dia = 1.47		
Field Test (s) Stability	Result Resu		Result Result	
<u>Performed</u> Range	(3 min) (6 m		(18 min) (21 min)	
Temperature (°C) +/- 3%	10.39 10.3			
Spec. Cond (µmhos) +/- 3%	1837 1849			
D.O. (mg/L) +/- 10%**	$\frac{2.47}{2.00}$			
pH +/- 0.1	7.0/ 7.00	_		
ORP (mV) +/- 10 mV**	311 310	310 358		
Turbidity (NTU) +/- 10%**				
$H_2S (mg/L)$				
Fe ²⁺ (mg/L) Check stability after three readings a	and avery reading	thereofter until achieved		
**Only one of these parameters mus		g therearter until aemeved.		
Only one of these parameters mus	st reach stability.			
Observations:	,			
Volume of water purged from well: M/A gallons				
Sample Date: / /27//O Sample Time: // : 40 (military time)				
VI 1 Classed evicents preservation? VES AtO method: 0.45 µm certridge / other:				
Color of water before filtration: NA After filtration: NA explain:				
Reaction upon addition of preservatives? YES NO explain: NA				
Appearance of Water: (Clear/Slight	ly Turbid/Turbid	/Very Turbid)		
Well condition: 0/5				
1				

Signature:

Sample I.D.: Monitoring Well Data Well Material (PVC/SS/Teflon) Inside Diameter, in. (1/2/4/6) Stick up or stick down height Total depth of well (ITD) Depth to product Depth to product Depth to water (DTW) Total depth of well (ITD) MS/MSD Other	GROUNDWATER SAM	
Monitoring Well Data Sample Types (circle all applicable)	Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E
Monitoring Well Data Well Material (PVC/SS/Teflon) Inside Diameter, in. (1246) Grab/Composite Split Sample Duplicate (Duplicate ID: Duplicate ID	Sample I.D.: MW-147AR	Well Location:
Well Material Inside Diameter, in. Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) Conventional sampling Height of water column (H = TD − DTW) Total depth of water column (H = TD − DTW) Height of water column (H = TD − DTW) Total depth of water column (H = TD − DTW) Total depth of water column (H = TD − DTW) Total depth of water column (H = TD − DTW) Total depth of water column (H = TD − DTW) Total depth of water column (H = TD − DTW) Total depth of water column (H = TD − DTW) Total depth of pump placement (place mid-screen) Total depth of pump placement (place mid-screen		
Inside Diameter, in. Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) Conventional sampling Height of water column (H = TD - DTW) Total depth of water column (H = TD - DTW) Total value (CV)* I well volume = H x CV = gal 3 Well volume = H x CV = gal 3 Well volumes = gal 1 Wespassive sampling used? **Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47 Field Test(s) Field Test(s) Stability Result	Monitoring Well Data	The state of the s
Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) Conventional sampling Height of water column (H = TD - DTW) 1 Well volume = H x CV = gal 3 Well volumes = gal Purge method (B = bailef, P = pump) *Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47 Field Test(s) Performed Range Range (3 min) Temperature ("C) +/-3% //-73 //-3 //-3 //-3 //-3 //-3 //-3 //-		n) Monitoring Well
Total depth of well (TD) Depth to product Depth to water (DTW) Conventional sampling Height of water column (H = TD – DTW) Total depth of water column (H = TD – DTW) Total depth of water column (H = TD – DTW) Total depth of water column (H = TD – DTW) Total depth of water column (H = TD – DTW) Total depth of water column (H = TD – DTW) Total depth of water column (H = TD – DTW) Total depth of pump placement (place mid-screen) Total depth of water column (place mid-screen) Total depth of pump placement (place mid-screen	Inside Diameter, in. (1224 6)	Grab/Composite
Total depth of well (TD) Depth to product Depth to water (DTW) Conventional sampling Height of water column (H = TD - DTW) I well volume = H x CV = gal 3 Well volumes = = gal Purge method (B = bailef, P = pump) W*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47 Field Test(s) Stability Result Resu	Stick up or stick down height	ft Split Sample
Depth to water (DTW) Conventional sampling Height of water column (H = TD – DTW) The substituting the substitution of these parameters must reach stability. Conversion value (CV)* I well volume = H x CV = gal substitution of the substitution		ft Duplicate (Duplicate ID:)
Conventional sampling		ft MS/MSD
Conventional sampling		ft Other
Depth of pump placement (place mid-screen) 1	Departo water (DT ***)	
Conversion value (CV)* x Bubbles purged from flow cell? Strawdown > 0.3 feet Y / \(\bar{N} \) Stability Result	Conventional sampling	Micropurge sampling
(H = TD - DTW) ft Conversion value (CV)*	Height of water column	Depth of pump placement
Subbles purged from flow cell? Strawdown > 0.3 feet Y/N		(place find-screen)
1 Well volume		Dubbles parged from from etal.
Was passive sampling used? Y / N / mL/min However mL/min		
Purge method (B = bailer, P = pump) B / P) **Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47 **Field Test(s) Stability Result Result Result Result Result (12 min) (15 min) (18 min) (21 min) (15 m		Was passive sampling used? Y/N
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47 Field Test(s) Stability Result (3 min) (6 min) (9 min) (12 min) (15 min) (18 min) (21		
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47 Field Test(s) Stability Result (15 min) (15 min) (18 min) (21 min) (12 min) (15 min) (18 min) (21 min) (18 min) (18 min) (21 min) (18 min) (19 min)		ID number from controller console #
Performed Range (3 min) (6 min) (9 min) (12 min) (15 min) (18 min) (21 min)	*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0	0.16, 4" dia = $0.65, 6$ " dia = 1.47
Performed Range (3 min) (6 min) (9 min) (12 min) (15 min) (18 min) (21 min) Temperature (°C) +/- 3% //-73 /2.312.3\frac{13.5\frac{12.3\frac{13.7\frac{12.3\frac{13.7\frac{12.3\frac{13.7\frac{12.3\frac{13.7\frac{12.3\frac{13.7\frac{12.3\frac{13.7\frac{12.3\frac{13.7\frac{12.3\frac{13.7\frac{12.3\frac{13.7\frac{13.7\frac{12.3\frac{13.7\fra		
Performed Range (3 min) (6 min) (9 min) (12 min) (18 min) (21 min) Temperature (°C) +/- 3% 1/- 73 12.3\$ 12.5\$ 12.14	Field Test(s) Stability Result Resu	ult Result Result Result Result Result
Temperature (°C) +/- 3% 1/- 73 12.3\$ 12.56 (2.1/4) Spec. Cond (µmhos) +/- 3% 139 137 1370 D.O. (mg/L) +/- 10%** 0 0 0 0 pH +/- 0.1 7.71 7.56 7.44 2.36 ORP (mV) +/- 10 mV** 346.4 -366.1 -366.1 -366.5 3/4.3 Turbidity (NTU) +/- 10%** H ₂ S (mg/L) Fe ²⁺ (mg/L) Check stability after three readings and every reading thereafter until achieved. **Only one of these parameters must reach stability. Observations: Volume of water purged from well: 9 gallons Sample Date: 1/21/10 Sample Time: 9: 60 (military time) Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other:		in) (9 min) (12 min) (15 min) (18 min) (21 min)
Spec. Cond (µmhos) +/- 3% /3S/ /37/ /373 /37/ /373 /37/ D.O. (mg/L) +/- 10%**		13.56 12.14
D.O. (mg/L)	r	
PH +/- 0.1 7.71 7.56 7.49 2.36 ORP (mV) +/- 10 mV** 3.61 -3.61 -3.61 -3.62 3.43 Turbidity (NTU) +/- 10%** H ₂ S (mg/L) Fe ²⁺ (mg/L) Check stability after three readings and every reading thereafter until achieved. **Only one of these parameters must reach stability. Observations: Volume of water purged from well:	1 =	
ORP (mV) +/- 10 mV** - 3/6, 4 - 3/6, 1 - 3/6, 5 - 3/4, 3	and and a sum of the s	7.44 2.36
Turbidity (NTU) +/- 10%** H ₂ S (mg/L) Fe ²⁺ (mg/L) Check stability after three readings and every reading thereafter until achieved. **Only one of these parameters must reach stability. Observations: Volume of water purged from well:	ORP (mV) +/- 10 mV**-316, 4 -366.	<u>1 -307.5 314.3</u>
H ₂ S (mg/L) Fe ²⁺ (mg/L) Check stability after three readings and every reading thereafter until achieved. **Only one of these parameters must reach stability. Observations: Volume of water purged from well:		
Fe²+ (mg/L)	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Check stability after three readings and every reading thereafter until achieved. **Only one of these parameters must reach stability. Observations: Volume of water purged from well:		
**Only one of these parameters must reach stability. Observations: Volume of water purged from well:	Check stability after three readings and every reading	g thereafter until achieved.
Observations: Volume of water purged from well: gallons Sample Date: /21 //O Sample Time: : vo (military time) Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other:	**Only one of these parameters must reach stability.	
Volume of water purged from well: gallons Sample Date: /21 //O Sample Time: : vo (military time) Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other:		
Volume of water purged from well: gallons Sample Date: /21 //O Sample Time: : vo (military time) Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other:	Observations:	
Sample Date: / /27 //O Sample Time: / (military time) Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other:		s G
Was metals sample filtered prior to preservation? TES (NO intended, 0.43 min cartridge 7 other).	Sample Date: / /27 //C Sample	Time: $l: vv$ (military time)
Color of water before filtration: After filtration:	Was metals sample filtered prior to preservation?	YES (NO method: 0.45 μm cartridge / other:
	Color of water before filtration: After f	iltration:
Reaction upon addition of preservatives? YES NO explain:	Reaction upon addition of preservatives? YES	NO explain:
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)		
Well condition:	Well condition:	
Color of water before filtration: Reaction upon addition of preservatives? YES NO explain: Appearance of Water: (Clear/Shightly Turbid/Turbid/Very Turbid) Well condition: Jud med Polls	Good needs 18000	
Signature: Olan Hurm Date: 1-27-10	Signature: Blun Hurson	Date: 1-27-10

E. T. W. C. D. farmer Allicon Dlor	at 10	KEI Project #: 2829E		
Facility Name: G> P > former Allison Plan	.it 10	Well Location:		
Sample I.D.: $pw-132R$		Well Location.		
M. H.D. 4		Sample Types (circle all	annlicable)	
Monitoring Well Data Well Material	SS/Teflo		аррисавіс)	
Inside Diameter, in.	(1(2)46)	Grab/Composite		
Stick up or stick down height		ft Split Sample		
Total depth of well (TD)	19.15	ft Duplicate (Duplicate ID:)	
Depth to product		ft MS/MSD		
Depth to water (DTW)	11,48	ft Other		
1				
Conventional sampling	⇔OR⇒	Micropurge sampling	9	
Height of water column		Depth of pump placement	12/	
(H = TD - DTW) ft		(place mid-screen)	16' ft	
Conversion value (CV)* x		Bubbles purged from flow cell?	Ø/N	
1 Well volume = H x CV = gal		Is drawdown >0.3 feet	Y / X	
3 Well volumes = gal		Was passive sampling used?	Y 14	
Purge method		Flowrate =	mL/min	
(B = bailer, P = pump) B/P		ID number from controller console #		
*Conversion values (gal/ft): 1" dia = 0.04	, 2" dia = 0	0.16, 4" dia = 0.65, 6" dia = 1.47		
(•			
Field Test(s) Stability Res	sult Resi	ult Result Result Result Res	sult Result	
Performed Range (3 n		in) (9 min) (12 min) (15 min) (18 r	min) (21 min)	
Temperature (°C) +/- 3% 9.5	<u> 5 9,3</u>	9 10:03 9:28 9:11 _		
Spec. Cond (µmhos) +/- 3% /100	109	5 1090 1082 1074	***************************************	
D.O. (mg/L) +/- 10%** 2.1	6 2K	7 2.33 2.75 2.28	*	
pH +/- 0.1 <u>7.7</u>				
ORP (mV) +/- 10 mV**- <u>1713</u>	3 -169:	7-159.8 -155.8 -155.4 _		
Turbidity (NTU) +/- 10%**				
$H_2S (mg/L)$				
Fe^{2+} (mg/L)				
Check stability after three readings and ev	ery reading	g thereafter until achieved.		
**Only one of these parameters must reac				
<u>.</u>				
Observations:				
Volume of water purged from well: 1	gallon	s		
Sample Date:	Sample	Time: $\cancel{2}:\cancel{3}$ (military time)		
Was metals sample filtered prior to preser	vation?	YES No method: 0.45 µm cartridge	e / other:	
Color of water before filtration: After filtration:				
Reaction upon addition of preservatives? YES explain:				
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)				
Well condition: And needs Bolt				
, v - we week	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Ω_{\star} 11		1		
Signature: Allen Jung	<u></u>	Date: 1 - 2 7 - 1 0		

	XXEX D		
Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E		
Sample I.D.: mw-148K	Well Location:		
Total depth of well (TD) Depth to product 24.55	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample Duplicate (Duplicate ID:) MS/MSD ft Other		
Depth to water (DTW) $//.32$ Conventional sampling $\Leftarrow OR \Rightarrow [$	Micropurge sampling		
Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV = gal 3 Well volumes = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console 1.16, 4" dia = 0.65, 6" dia = 1.47		
Field Test(s) Stability Result (3 min) Result (6 min) Performed Range (3 min) (6 min) Temperature (°C) +/- 3% 7.90 /- 3 Spec. Cond (μmhos) +/- 3% /- 292 /- 279 D.O. (mg/L) +/- 10%** -/- 3/- 2/- 3/- 3/- 2/- 3/- 3/- 2/- 3/- 3/- 2/- 3/- 3/- 3/- 3/- 3/- 3/- 3/- 3/- 3/- 3	n), (9 min) (12 min) (15 min) (18 min) (21 min) 4 /055 //.66		
Observations: Volume of water purged from well: 17 gallons Sample Date: 1/27/10 Sample Time: 10 ov (military time) Was metals sample filtered prior to preservation? YES NO method: 0.45 μm cartridge / other: Color of water before filtration: After filtration: Reaction upon addition of preservatives? YES NO explain: Appearance of Water: (Clear/Slightly Turbid/Turbit/Wery Turbid) Well condition: How described Faults.			
Signature: Mun Anym	Date: 1 - 27 - 10		

Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E			
Sample I.D.: MW -153	Well Location:			
11144 193				
Monitoring Well Data_	Sample Types (circle all applicable)			
Well Material (PVC/SS/Tefle	on) Monitoring Well,			
Inside Diameter, in. (1/2)4 6)	Grab/Composite			
Stick up or stick down height	ft Split Sample			
Total depth of well (TD) 20.95	ft Duplicate (Duplicate ID: DUP - 0)			
Depth to product	ft MS/MSD			
Depth to water (DTW)	ft Other			
Depth to water (D111)				
Conventional sampling ←OR⇒	Micropurge sampling			
Height of water column	Depth of pump placement			
(H = TD - DTW) ft	(place mid-screen)f			
Conversion value (CV)* x	Bubbles purged from flow cell?			
1 Well volume = H x CV = gal	Is drawdown >0.3 feet			
3 Well volumes = gal	Was passive sampling used? Y/			
Purge method	Flowrate = mL/mir			
$(B = bailer, P = pump) \qquad B \nearrow P$	ID number from controller console #			
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia =				
Convergion varies (gazito). 2 = 220 - 200 y =				
Field Test(s) Stability Result Res	ult Result Result Result Result			
Performed Range (3 min) (6 m	nin) (9 min) (12 min) (15 min) (18 min) (21 min)			
Temperature (°C) +/- 3% 9,43 9,5	66 9163 9160			
Spec. Cond (µmhos) +/- 3% /723 /71	9 (7/9 1717			
D.O. (mg/L) +/- 10%** 6.18, 8.4	7 3.54 8.54			
pH +/- 0.1 7.16 7.16				
ORP (mV) +/- 10 mV** $-\frac{70.2}{}$ -77	1-77.2 -77.7			
Turbidity (NTU) +/- 10%**				
$H_2S (mg/L)$				
Fe ²⁺ (mg/L)				
Check stability after three readings and every reading thereafter until achieved.				
**Only one of these parameters must reach stability.	•			
Observations: Volume of water purged from well: Sample Date: 1/27 // 1/ Sample				
Volume of water purged from well: gallon	Time. (1.31) (military time)			
Sample Date:	YES MO method: 0.45 um cartridge / other:			
Volume of water purged from well: gallons Sample Date: Sample Time: (military time) Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: Color of water before filtration: After filtration:				
Color of water before filtration: After i	MO exploin:			
Reaction upon addition of preservatives? YES NO explain:				
Appearance of Water: (Clear/Shightly Turbid/Turbid	d/ very ruroid)			
Well condition: Hose				
Signatura: Men Ann an				
11 //				
Signatura: Muss Hann and	Date: 1-27-10			

Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E		
Sample I.D.: MW-10/R	Well Location:		
t.			
Monitoring Well Data	Sample Types (circle all applicable)		
Well Material (PVC/SS/Teflo	The state of the s		
Inside Diameter, in. (1 g)4 6)	Grab/Composite		
Stick up or stick down height	ft Split Sample		
Total depth of well (TD)	ft Duplicate (Duplicate ID: DUP-C)		
Depth to product	ft MS/MSD		
Depth to water (DTW)	ft Other		
Deput to water (DT 11)			
Conventional sampling ←OR⇒	Micropurge sampling		
	Depth of pump placement		
Height of water column (H = TD - DTW) ft	(place mid-screen) /b ft		
	Bubbles purged from flow cell?		
Conversion value (CV)* x	Is drawdown >0.3 feet Y/N		
1 Well volume = H x CV = gal	Was passive sampling used?		
3 Well volumes = gal	Flowrate = mL/min		
Purge method	ID number from controller console #		
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.04	ID Hallioti Holli Colletto Collet		
*Conversion values (gal/II): 1 dia = 0.04 , 2 dia = 0.04	0.10, 4 dia = 0.05, 0 dia = 1.47		
Field Test(s) Stability Result Resu	ult Result <u>Result Result Result</u> Result		
	(10)		
1 1 1 1 1 1 1	$\frac{\text{min}}{9}$ $\frac{\text{(12 min)}}{\text{(1337)}}$ $\frac{\text{(12 min)}}{\text{(13 min)}}$ $\frac{\text{(13 min)}}{\text{(13 min)}}$		
Temperature (C)	2 28/,		
	7 2.45		
$D.O.\left(\frac{\text{mg/L}}{2}\right)$			
P	1 -122.5		
ORP (mV) +/- 10 mV** -121. Turbidity (NTU) +/- 10%**	1 100		
H ₂ S (mg/L) — —			
Fe ²⁺ (mg/L)			
Check stability after three readings and every reading	thereafter until achieved.		
**Only one of these parameters must reach stability.			
Only one of these parameters mast reach substitute.			
Observations:			
Volume of water purged from well: / > gallon	S		
Sample Date: $1/27/10$ Sample	Time: <u>//</u> : <u>/5</u> (military time)		
Was metals sample filtered prior to preservation?	YES NO method: 0.45 μm cartridge / other:		
Color of water before filtration: After f	iltration:		
Reaction upon addition of preservatives? YES	NO5 explain:		
Appearance of Water: (Clear/Slightly Turbid/Turbid	l/Very Turbid)		
Well condition:			
Mary			
Signature: Ulan Harrin			
$\Lambda_{I} = 1$			
Signature: Clan Mary	Date: 1-27-10		

GROUNDWATER SAMPLE INFORMATION SHEET		
Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E	
Sample I.D.: $/W-2$	Well Location:	
, , , v		
Monitoring Well Data	Sample Types (circle all applicable)	
Well Material (PVC/SS/Teflo	on) Monitoring Well	
Inside Diameter, in. (12/46)	Grab/Composite	
Stick up or stick down height	ft Split Sample	
Total depth of well (TD) $\frac{16.97}{}$	ft Duplicate (Duplicate ID:)	
Depth to product	ft MS/MSD	
Depth to water (DTW) / 3.3 /	ft Other	
1		
Conventional sampling ←OR⇒	Micropurge sampling	
Height of water column	Depth of pump placement	
(H = TD - DTW) ft	(place mid-screen)	
Conversion value (CV)* x	Bubbles purged from flow cell?	
1 Well volume = H x CV = gal	Is drawdown >0.3 feet	
3 Well volumes = gal	Was passive sampling used? Y	
Purge method	Flowrate = mL/min	
(B = bailer, P = pump) B / P	ID number from controller console #	
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0	0.16, 4" dia = 0.65, 6" dia = 1.47	
Field Test(s) Stability Result Result		
Performed Range (3 min) (6 m	The state of the s	
Temperature (°C) +/- 3% <u>/D/8/</u> /D/8		
Spec. Cond (μmhos) +/- 3% 1720 176		
D.O. (mg/L) +/- 10%** 2.15 1.9. pH +/- 0.1 7.03 7.03		
1/4-		
Old (m·)	/ //-	
Turbidity (NTU) +/- 10%**		
H ₂ S (mg/L)		
Fe ²⁺ (mg/L) Check stability after three readings and every reading	g thereafter until achieved	
**Only one of these parameters must reach stability.	g thereafter until acine ved.	
Only one of these parameters must reach statemery.		
Observations:		
Volume of water purged from well: WA gallon	S	
Volume of water purged from well: $\frac{N/A}{A}$ gallon Sample Date: $\frac{1}{27}\frac{1}{10}$ Sample	Time: $\frac{40}{2}$ (military time)	
Was metals sample filtered prior to preservation?	YES (NO) method: 0.45 µm cartridge / other:	
Color of water before filtration: $\frac{N/1}{1}$ After f Reaction upon addition of preservatives? YES	iltration: $N/2$	
Reaction upon addition of preservatives? YES	\widehat{NO}) explain: NA	
Appearance of Water: (Clear/Slightly Turbid/Turbid	i/Very Turbid)	
Well condition: OK		
Commission of the Commission o	en e	
	New York Control of the Control of t	

_____Date:____

	W.		
Facility Name: G> P > former Allison Plant 10		KEI Project #: 2829E	
Sample I.D.: MW-164		Well Location:	
Monitoring Well	Data	Sample Types (circle all applicable)	
Well Material	(PVC)SS/Teflo		
Inside Diameter, in.	(1/2)4 6)	Grab/Composite	
Stick up or stick down height		ft Split Sample	
Total depth of well (TD)	25,00	ft Duplicate (Duplicate ID:)	
	20,00	ft MS/MSD	
Depth to product	1011		
Depth to water (DTW)	19.66	ft Other	
Conventional sampling	(=OR⇒	Micropurge sampling	
	——————————————————————————————————————	Depth of pump placement	
Height of water column	ft	(place mid-screen) 22.00	
(H = TD - DTW)	11	Bubbles purged from flow cell?	
Conversion value (CV)* x	1	Is drawdown >0.3 feet X N	
1 Well volume = H x CV =	gal		
3 Well volumes = _=	gal	Was passive sampling used? Flowrate = ML/m:	
Purge method	/ D	ID number from controller console #	
$(B = bailer, P = pump) \qquad B$	1	III IIIII OI II OIII OIII OIII OIII OI	
*Conversion values (gal/ft): 1" di	a = 0.04, 2 dia =	0.10, 4 dia = 0.05, 0 dia = 1.47	
(C. 1.11)	D 14 D	sult Result Result Result Result Result	
Field Test(s) Stability	Result Res		
Performed Range Temperature (°C) +/- 3%	$\frac{(3 \text{ min})}{2.38}$ $\frac{(6 \text{ m})}{2.38}$		
F	1959 195		
1 - I			
- · · · \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	646 646		
F	0.11		
010			
1 /			
H_2S (mg/L) Fe^{2+} (mg/L)			
Check stability after three readings	and every reading	or thereafter until achieved.	
**Only one of these parameters m			
Omy one of these parameters in	distribution statements.	•	
Observations:			
Volume of water purged from wel	1. MA gallon	18	
Sample Date: / / 27/ 10	Sample	e Time: $\frac{14}{20}$ (military time)	
Volume of water purged from well: Volume of water purged from well: Sample Date: Value of water purged from well: Sample Time: Yaugallons Sample Date: Yaugallons Sample Time: Yaugallons Sample Time: Yaugallons Yaugallons Sample Time: Yaugallons Yaugallons Yaugallons Sample Date: Yaugallons Yaugallons			
Color of water before filtration:			
Color of water before filtration: \sqrt{A} After filtration: \sqrt{A} Reaction upon addition of preservatives? YES NO explain: \sqrt{A}			
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)			
Well condition: OK	,		
The Condition City			
- Collection of Section Section 1	المتنازيس	, ,	

Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E
	Well Location:
Sample I.D.: mw-150)	Well Bootton.
Total depth of well (TD) Depth to product	Sample Types (circle all applicable) Monitoring Well Grad/Composite Split Sample Duplicate (Duplicate ID:) MS/MSD ft Other
Conventional sampling ←OR⇒	Micropurge sampling
Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV = gal 3 Well volumes = = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = mL/min ID number from controller console /// // ft // // N mL/min #
Field Test(s)StabilityResultResultPerformedRange(3 min)(6 min)Temperature (°C)+/- 3%10.291/20Spec. Cond (μmhos)+/- 3%10.291/20D.O. (mg/L)+/- 10%**2.051.32pH+/- 0.12.051.32ORP (mV)+/- 10 mV**1/3.71Turbidity (NTU)+/- 10%**1/3.71H2S (mg/L)	n) (9 min) (12 min) (15 min) (18 min) (21 min) 73 //35 12.26
Observations: Volume of water purged from well: gallons Sample Date: / 77 / 1/) Sample Was metals sample filtered prior to preservation? Y Color of water before filtration: After fil Reaction upon addition of preservatives? YES (I) Appearance of Water: (Clear/Slightly Turbid/Turbid/Turbid/Well condition: 0 / M21 do 12 / 12 / 12 / 12 / 12 / 12 / 12 / 12	Time: (7 : 3ε) (military time) YES (NO) method: 0.45 μm cartridge / other: Itration: NO explain:

GROUNDWATER SAMPLE INFORMATION SHEET			
Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E		
Sample I.D.: MW-152	Well Location:		
Monitoring Well Data	Sample Types (circle all applicable)		
Well Material (PVC/SS/Teflo			
Inside Diameter, in. $(1(2/4 6))$	Grab/Composite		
Stick up or stick down height	ft Split Sample		
Total depth of well (TD) / 3.75	ft Duplicate (Duplicate ID:)		
Depth to product	ft MS/MSD		
Depth to water (DTW) 13.5 5	ft Other		
G () A ()	Mioronurgo compling		
Conventional sampling ←OR⇒	Micropurge sampling		
Height of water column	Depth of pump placement (place mid-screen) ft		
$(H = TD - DTW) \qquad ft$	(place mid-screen) / ω ft Bubbles purged from flow cell? (\widehat{Y}/N)		
Conversion value (CV)* x	Is drawdown >0.3 feet $Y / (N_3)$		
1 Well volume = H x CV = gal 3 Well volumes = gal	Was passive sampling used? Y/N		
Purge method	Flowrate = mL/min		
(B = bailer, P = pump) B/P	ID number from controller console #		
*Conversion values (gal/ft): 1" dia = 0.04 , 2" dia = 0.04	III IIIII TOTAL TO		
Conversion values (gaint). 1 dia = 0.01, 2 dia = 0	7.10, 1 dia = 0.05, 0 dia 1111		
Field Test(s) Stability Result Resu	ılt Result <u>Result Result Result</u>		
Performed Range (3 min) (6 min)			
Temperature (°C) +/- 3% /2.32 /2.8			
Spec. Cond (µmhos) +/- 3% 526 536			
D.O. (mg/L) +/- 10%** 2.95			
pH +/- 0.1 <u>6.93</u> 6.93			
ORP (mV) +/- 10 mV**-141.6 -/41.6	-14110		
Turbidity (NTU) +/- 10%**			
H ₂ S (mg/L)			
Fe ²⁺ (mg/L)			
Check stability after three readings and every reading	thereafter until achieved.		
**Only <u>one</u> of these parameters must reach stability.			
01			
Observations: Volume of water purged from well: gallons			
Sample Date: //27/10 Sample Time: /3 00 (military time)			
Sample Date: //27/10 Sample Time: //2 00 (military time) Was metals sample filtered prior to preservation? YES NO method: 0.45 μm cartridge / other:			
Color of water before filtration: After filtration:			
Reaction upon addition of preservatives? YES NO explain:			
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)			
Well condition: RAD			
Signature: Colom Hay	Date: 1-27-10		

	T
Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: $MW - 133R$	Well Location:
Monitoring Well Data Well Material Inside Diameter, in. Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) Monitoring Well Data (PVC/SS/Tefle (1(2/4 6)) (1	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample Duplicate (Duplicate ID:) ft ft MS/MSD Other
Conventional sampling ←OR⇒	Micropurge sampling
Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV = gal 3 Well volumes = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 1" dia = 0.04, 2" dia =	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = ID number from controller console The pump placement Th
Field Test(s)StabilityResultResPerformedRange (3 min) (6 min) Temperature (°C) $+/-3\%$ 10.45 10.6 Spec. Cond (µmhos) $+/-3\%$ 1151 $11/4$ D.O. (mg/L) $+/-10\%**$ 3.89 3.6% pH $+/-0.1$ (2.81) 6.3% ORP (mV) $+/-10 \text{ mV}**$ -77.7 80.7 Turbidity (NTU) $+/-10\%**$ $-10\%**$ H ₂ S (mg/L) $-10\%**$ $-10\%**$ Fe ²⁺ (mg/L) $-10\%**$ $-10\%**$ Check stability after three readings and every reading	nin) (9 min) (12 min) (15 min) (18 min) (21 min) (55 0.36 1/04 1/.66
Observations: Volume of water purged from well: Sample Date: Date: Date: Sample Sample Sample Sample Sample Sample Date: Color of water before filtration: Reaction upon addition of preservatives? Appearance of Water: Clear Slightly Turbid/Turbit Well condition: Noval Bath	filtration:explain:

G. D. C. Allinon Dlant 10	VEI Project #: 2820F	
Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E Well Location:	
Sample I.D.: Mw-146	Well Location.	
Monitoring Well Data Well Material (PVC(SS) Teflo Inside Diameter, in. (1/2)4 6) Stick up or stick down height Total depth of well (TD) 23.40 Depth to product Depth to water (DTW)	Sample Types (circle all applicable) Monitoring Well Gråd/Composite Split Sample Duplicate (Duplicate ID:) MS/MSD ft Other	
Conventional sampling ←OR⇒	Micropurge sampling	
Conventional sampling Height of water column (H = TD - DTW) Conversion value (CV)* 1 Well volume = H x CV = gal 3 Well volumes = = gal Purge method (B = bailer, P = pump) *Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.04	Depth of pump placement (place mid-screen) Bubbles purged from flow cell? Is drawdown >0.3 feet Was passive sampling used? Flowrate = mL/min ID number from controller console # 20 ft Y/N TY/N ML/min	
Field Test(s)StabilityResultResultPerformedRange (3 min) (6 m) Temperature (°C)+/- 3% (0.794) (0.1) Spec. Cond (µmhos)+/- 3% (0.794) (0.1) D.O. (mg/L)+/- 10%** (0.1) (0.1) pH+/- 0.1 (0.1) (0.1) ORP (mV)+/- 10 mV** (0.1) (0.1) Turbidity (NTU)+/- 10%** (0.1) H2S (mg/L)	$\frac{\sin (9 \text{ min})}{4} = \frac{(12 \text{ min})}{4} = \frac{(15 \text{ min})}{4} = \frac{(18 \text{ min})}{4} = \frac{(21 \text{ min})}{4} = (21 $	
Was metals sample filtered prior to preservation? Color of water before filtration: Reaction upon addition of preservatives? Appearance of Water: Clear/Slightly Turbid/Turbic Well condition: Well condition:	Time: /7: (military time) YES No method: 0.45 μm cartridge / other: iltration: NO explain: I/Very Turbid)	

Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW -302	Well Location:
Depth to product Depth to water (DTW) Conventional sampling Height of water column $(H = TD - DTW)$ ft	Sample Types (circle all applicable) Monitoring Well Grab/Composite Split Sample Duplicate (Duplicate ID:) MS/MSD Other Depth of pump placement (place mid-screen) Bubbles purged from flow cell?
Conversion value (CV)* x	Is drawdown >0.3 feet
1 Well volume = H x CV = gal	A-
3 Well volumes = gal	Was passive sampling used? Flowrate = ML/min
Purge method (B = boiler B = nump) B / P	ID number from controller console #
(B = bailer, P = pump) B / P *Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.04	The final Court Co
Conversion values (gai/it). 1 dia = 0.04, 2 dia = 0	7.10, 1 dia = 0.05, 0 dia 1117
Field Test(s)StabilityResultResultPerformedRange (3 min) (6 min) Temperature (°C) $+/-3\%$ $//.70$ $//.70$ Spec. Cond (μ mhos) $+/-3\%$ $//.70$ $//.70$ D.O. (mg/L) $+/-10\%**$ $//.70$ $//.70$ pH $+/-0.1$ $//.70$ $//.70$ ORP (mV) $+/-10 \text{ mV}**$ $//.70$ Turbidity (NTU) $+/-10\%**$ $//.70$ H2S (mg/L) $//.70$ $//.70$ Check stability after three readings and every reading**Only one of these parameters must reach stability.	n) (9 min) (12 min) (15 min) (18 min) (21 min) (1.69
Observations: Volume of water purged from well: NA gallons	YES NO method: 0.45 µm cartridge / other: Itration:

Signature:

Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E		
Sample I.D.: MW-160	Well Location:		
Dumple 112.1. W VV			
Monitoring Well Data	Sample Types (circle all applicable)		
Well Material (PVC/SS/Teflo			
Inside Diameter, in. (1/2/4 6)	Grab/Composite		
Stick up or stick down height	ft Split Sample		
	ft Duplicate (Duplicate ID:)		
1	ft MS/MSD		
Depth to product			
Depth to water (DTW) 3.65	ft Other		
	7.5		
Conventional sampling ←OR⇒	Micropurge sampling		
Height of water column	Depth of pump placement		
(H = TD - DTW) ft	(place mid-screen) 11,50 ft		
Conversion value (CV)* x	Bubbles purged from flow cell? Y N		
1 Well volume = H x CV = gal	Is drawdown >0.3 feet \mathcal{U}'/\mathcal{N}		
3 Well volumes = gal	Was passive sampling used? Y/(V)		
Purge method	Flowrate = mL/min		
(B = bailer, P = pump) $B P$	ID number from controller console #		
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0	0.16, 4" dia = $0.65, 6$ " dia = 1.47		
, and the second			
Field Test(s) Stability Result Resu	ılt Result <u>Result Result Result</u> <u>Result</u>		
Performed Range (3 min) (6 min)			
Temperature (°C) +/- 3% 2.78 2.2	29 71.88		
Spec. Cond (µmhos) +/- 3% 1750 174	(5 1747		
D.O. (mg/L) +/- 10%**			
pH +/- 0.1 6.67 6.6	7 6.67		
ORP (mV) +/- 10 mV**-300.8 -30	5-3032		
Turbidity (NTU) +/- 10%**			
$H_2S (mg/L)$			
Fe ²⁺ (mg/L)			
Check stability after three readings and every reading	thereafter until achieved.		
**Only one of these parameters must reach stability.			
Omy one of these parameters mast reach stability.			
Observations:			
Volume of water purged from well: * 9 gallons			
Volume of water purged from well: gallons Sample Date: 1/27/10 Sample	Time: 14:40 (military time)		
Was matals cample filtered prior to preservation?	VES NOV method: 0.45 µm cartridge / other:		
Color of water before filtration: After filtration:			
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: Color of water before filtration: After filtration: Reaction upon addition of preservatives? YES NO explain:			
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)			
Well condition: $N \in \mathcal{N}$			
Wen condition. Wen and the			
\sim 1.			
Signature: Alan Alanan	Date: 1-27-10		
Signature: Man Manager			

GROUND	WATER SAM	PLE INFORMATION SHEET	
Facility Name: G> P > former Allison Plant 10		KEI Project #: 2829E	
Sample I.D.: MW 7/6/		Well Location:	
Sumple 12			
Monitoring Well Dat	ta	Sample Types (circle	all applicable)
Well Material	(PVC)SS/Teflo		
Inside Diameter, in.	(1(2)4 6)	Grab/Composite	
Stick up or stick down height		ft Split Sample	
Total depth of well (TD)	13,95	ft Duplicate (Duplicate ID:)
Depth to product	1	ft MS/MSD	
Depth to water (DTW)	5.28	ft Other	
	0,00		
Conventional sampling	(⇔OR⇒	Micropurge sampl	ing
Height of water column		Depth of pump placement	
(H = TD - DTW)	ft	(place mid-screen)	ft
Conversion value (CV)* x		Bubbles purged from flow cell?	Y / N
1 Well volume = H x CV =	gal	Is drawdown >0.3 feet	Y/N
3 Well volumes =	gal	Was passive sampling used?	Y/N
Purge method		Flowrate =	mL/min
(B = bailer, P = pump) B / P		10 Hameer Mean Contract Contra	# *
*Conversion values (gal/ft): 1" dia =	0.04, 2" dia = 0	0.16, 4" dia = $0.65, 6$ " dia = 1.47	
			Decult Decult
Field Test(s) Stability	Result Resu		Result Result 8 min) (21 min)
Performed Range	$\frac{(3 \text{ min})}{\sqrt{30}}$ $\frac{(6 \text{ min})}{\sqrt{30}}$	$\frac{(n)}{4}$ $\frac{(9 \text{ min})}{4}$ $\frac{(12 \text{ min})}{4}$ $\frac{(15 \text{ min})}{4}$ $\frac{(11 \text{ min})}{4}$ $\frac{(12 \text{ min})}{4}$	<u>8 mm) (21 mm)</u>
Temperature (°C) +/- 3%	agn St	- 411	
Spec. Cond (μmhos) +/- 3% D.O. (mg/L) +/- 10%**	1.85 DE	3 182	
	1261 659		
pH +/- 0.1 ORP (mV) +/- 10 mV**-	62.1 -60	7 -1,0,2	
Turbidity (NTU) +/- 10 //**	be to the same of		
H ₂ S (mg/L)			
Fe ²⁺ (mg/L)	3		
Check stability after three readings an	d every reading	thereafter until achieved.	
**Only one of these parameters must		,	
	Ž		
Observations:	and the same of th		
Volume of water purged from well:	1 > gallons	3	
Sample Date: 1 /27 /10	Sample	Time: $13: CV$ (military time)	
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other:			
Color of water before filtration:	After fi	ltration:	
Reaction upon addition of preservative	es? YES	NO explain:	
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)			
Well condition: New Least took			
^	Į		

Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW-1695	Well Location:
	Comple Transa (sirala all applicable)
Monitoring Well Data Well Material Inside Diameter, in. Stick up or stick down height Total depth of well (TD) Depth to product Depth to water (DTW) Conventional sampling Height of water column (H = TD − DTW) Conversion value (CV)* 1 Well volume = H x CV = gal 3 Well volumes = gal Purge method	ft Split Sample ft Duplicate (Duplicate ID:) ft MS/MSD ft Other
$(B = bailer, P = pump) \qquad B/P$	ID Helifour From Construction
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia =	0.16, 4 dia = 0.63, 6 dia = 1.47
Field Test(s) Stability Result Result Performed Range (3 min) (6 min) Temperature (°C) +/- 3% /3.3/- (3.3/- Spec. Cond (μmhos) +/- 3% /. ε/- /. ε/- D.O. (mg/L) +/- 10%** /. ε/- /. ε/- pH +/- 0.1 /ε/- /. ε/- ORP (mV) +/- 10 mV** 23/- 23/- Turbidity (NTU) +/- 10%** — — H ₂ S (mg/L) — — — Fe ²⁺ (mg/L) — — — Check stability after three readings and every reading and every readin	min) (9 min) (12 min) (15 min) (18 min) (21 min) 35 13 36 13.34
Was metals sample filtered prior to preservation? Color of water before filtration: Reaction upon addition of preservatives? Appearance of Water: (Clear Slight) Turbid/Turbid	e Time: // : 30 (military time) YES NO method: 0.45 µm cartridge / other: filtration:

GROUNDWATER SAM	TEE IN ORIVITION SHEET	
Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E	
Sample I.D.: MW-169D	Well Location:	
Monitoring Well Data	Sample Types (circle all applicable)	
Well Material (Pyc/SS/Teflo		
Inside Diameter, in. (1/2) 4 6)	Grab/Composite	
Stick up or stick down height	ft Split Sample	
Total depth of well (TD) 34.90	ft Duplicate (Duplicate ID:)	
Depth to product	ft MS/MSD	
Depth to water (DTW) 20.45	ft Other	
Conventional sampling ←OR⇒	Micropurge sampling	
Height of water column	Depth of pump placement	
(H = TD - DTW) ft	(place mid-screen) 3/. 92 ft	
Conversion value (CV)* x	Bubbles purged from flow cell?	
1 Well volume = H x CV _= gal	Is drawdown >0.3 feet	
3 Well volumes = gal	Was passive sampling used? Y LX	
Purge method	Flowrate = mL/min	
(B = bailer, P = pump) B / P	D number from controller console #	
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0	$0.16, 4^{\circ} \text{ dia} = 0.65, 6^{\circ} \text{ dia} = 1.47$	
Ct. Liller Dearlt Door	ult Result Result Result Result Result	
Field Test(s) Stability Result		
Temperature (°C) +/- 3% 13.74 13.75 1.037 1.03		
D.O. (mg/L) +/- 10%** -44		
pH +/- 0.1 4.F.	7 6.54 6.59 6.50	
ORP (mV) +/- 10 mV** 3/3		
Turbidity (NTU) +/- 10%**		
H ₂ S (mg/L)		
Fe ²⁺ (mg/L)		
Check stability after three readings and every reading	thereafter until achieved.	
**Only one of these parameters must reach stability.		
Observations:		
Volume of water purged from well: Value gallons	5 m: //) // // // // // // // // // // // //	
1	Time: 10: 00 (military time)	
Was metals sample filtered prior to preservation? YES No method: 0.45 µm cartridge / other:		
reaction apon addition of programs.) 1 	
Appearance of Water: (Clear/Slightly Turbid/Turbid Well condition: ok Well condition)	to was all all	
Wen condition. or "filles the	1011 WELL	

GROOM WITH BLUE STANK	
Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E
Sample I.D.: MW - 167 S	Well Location:
Monitoring Well Data	Sample Types (circle all applicable)
Well Material (PVC/SS/Teflo	
Inside Diameter, in. (12)4 6)	Grab/Composite
5 11 11 11 11 11 11 11 11 11 11 11 11 11	ft Split Sample
	ft Duplicate (Duplicate ID:
Depth to product	ft MS/MSD
Depth to water (DTW) \\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ft Other
Conventional sampling ←OR⇒	Micropurge sampling
Height of water column	Depth of pump placement
(H = TD - DTW) ft	(place mid-screen) 19.00 ft
Conversion value (CV)* x	Bubbles purged from flow cell?
1 Well volume = H x CV _= gal	Is drawdown >0.3 feet
3 Well volumes = gal	Was passive sampling used? Y 📉
Purge method	Flowrate = mL/min
(B = bailer, P = pump) B/P	ID number from controller console #
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0	0.16, 4" dia = $0.65, 6$ " dia = 1.47
Field Test(s) Stability Result Result	
Performed Range (3 min) (6 min) (6 min) (4 min) (4 min) (4 min)	
Temperature (C)	<u> </u>
1 2	1.25
	<u> </u>
pH +/- 0.1 <u>6.71</u> <u>6.10</u> ORP (mV) +/- 10 mV** <u>351</u> <u>551</u>	351
Turbidity (NTU) +/- 10 //**	
H ₂ S (mg/L) — —	
Fe ²⁺ (mg/L)	
Check stability after three readings and every reading	thereafter until achieved.
**Only one of these parameters must reach stability.	
om) <u>om</u> et met parameter.	
Observations:	
Volume of water purged from well: VA gallons	
Sample Date: $\frac{2}{3}$ / 10 Sample	Time: $\frac{13}{2}$: $\frac{20}{2}$ (military time)
Was metals sample filtered prior to preservation?	YES (N) method: 0.45 μm cartridge / other:
	Itration: NA ,
2100001201201201201201201201201201201201	vo explain: NA
Appearance of Water: (Clear/Slightly Turbid/Turbid	/Very Turbid)
Well condition: OK	
	· · · · · · · · · · · · · · · · · · ·

Signature:

GROUNDWATER SAMI EE INFORMATION SHEET			
Facility Name: G> P > former Allison Plant 10		KEI Project #: 2829E	
Sample I.D.: MW - 167 D		Well Location:	
Monitoring Well Da	nta	Sample Types (circle all applicable)	
Well Material	(PVC/SS/Teflo		
Inside Diameter, in.	(1 2 4 6)	Grab/Composite	
Stick up or stick down height		ft Split Sample	
Total depth of well (TD)	<u> 32.35</u>	ft Duplicate (Duplicate ID: MP -03	
Depth to product		ft MS/MSD	
Depth to water (DTW)	18.75	ft Other	
Conventional sampling		Micropurge sampling	
Height of water column		Depth of pump placement	
(H = TD - DTW)	ft	(place mid-screen) 29.35 f	
Conversion value (CV)* x		Bubbles purged from flow cell?	
1 Well volume = H x CV =	gal	Is drawdown >0.3 feet	
3 Well volumes =	gal	Was passive sampling used? Y/V	
Purge method		Flowrate = mL/mir	
(B = bailer, P = pump) B / F		ID number from controller console #	
*Conversion values (gal/ft): 1" dia =	= 0.04, 2" dia $= 0$	0.16, 4 dia = $0.65, 6$ dia = 1.47	
Field Test(s) Stability	Result Resu		
Performed Range	(3 min) (6 mi		
Temperature (°C) +/- 3%	15.21 15.19	15.17 15.18	
Spec. Cond (µmhos) +/- 3%	478 979		
D.O. (mg/L) +/- 10%**	1.22 1.14		
pH +/- 0.1	7.11	7.11 7.10	
ORP (mV) +/- 10 mV**	180 174	174	
Turbidity (NTU) +/- 10%**			
$H_2S (mg/L)$			
Fe ²⁺ (mg/L) Check stability after three readings a	nd avery reading	thereofter until achieved	
**Only one of these parameters mus		thereafter until acine ved.	
Only one of these parameters mus	t reach stability.		
Observations:			
Volume of water purged from well: WA gallons			
Sample Date: 2/3/10 Sample Time: 13:30 (military time)			
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other:			
Color of water before filtration: After filtration: NA			
Reaction upon addition of preservatives? YES NO explain:			
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)			
Well condition: OK			

GROUNDWA	TER SAM	PLE INFOR	MATION	SHEET				
Facility Name: G>P > former Allison Plan	KEI Project #: 2829E							
Sample I.D.: MW - 1665	Well Location:							
Monitoring Well Data Well Material	Z/SS/Teflo	on) Mo	Sample onitoring W		cle all appl	icable)		
Inside Diameter, in.	Grab/Composite							
Stick up or stick down height	ft Split Sample							
Total depth of well (TD) /2.70	ft Duplicate (Duplicate ID:)							
Depth to product	ft MS/MSD							
Depth to water (DTW) 14.15	14.97	ft Oth	ner					
Conventional sampling	⇔ OR⇒			opurge san	npling			
Height of water column		Depth of pump placement			<i>\$1</i>		C,	
(H = TD - DTW) ft		(place mid		110	16.		ft	
Conversion value (CV)* x	,	Bubbles pur		ow cell?		(b) / N		
1 Well volume = H x CV = gal		Is drawdown >0.3 feet				Ø/ N		
3 Well volumes = gal		Was passive sampling used?				Y 🐼		
Purge method		Flowrate =				mL/min		
(B = bailer, P = pump) B/P		ID number from controller console #						
*Conversion values (gal/ft): 1" dia = 0.04	4, 2" dia = 0	0.16, 4" dia =	0.65, 6" di	a = 1.47				
Field Test(s) Stability Res	sult Resi	ılt Result	Result	Result	Result	Result		
Performed Range (3 n			(12 min)	(15 min)	(18 min)	(21 min	1)	
Temperature (°C) +/- 3%			6.18	,			_	
Spec Cond (umbos) +/- 3% 1,2	51 1.24	9 1.249	1,252				-	
D.O. (mg/L) +/- 10%** 1.7	3 1,60	1,61	1.54				-	
pH +/- 0.1 7.2	<u> 9 7.29</u>		7.29			*****	-	
ORP (mV) +/- 10 mV** 16	1 153	152	153		P1 441-441-441-441-441-441-441-441-441-44		-	
Turbidity (NTU) +/- 10%**			Acres de la companya				-	
$H_2S (mg/L)$							-	
Fe^{2+} (mg/L)				1				
Check stability after three readings and ev	ery reading	g thereafter ur	ntil achieved	1.				
**Only one of these parameters must reac	h stability.							
Observations								
Observations: Volume of water purged from well:	t gallon	S						
Sample Date: $\frac{2}{3}$ /3	Sample	Time: <u>14</u> :	30 (milit	tary time)				
Was metals sample filtered prior to preser			method: 0).45 um cai	tridge / oth	er:		
Color of water before filtration:	After f	iltration:	NA		Ü			
Reaction upon addition of preservatives?		NO explai	in:	A				
Appearance of Water: (Clear/Slightly Tur								
Well condition: DK		,						
					•			
Signature:			_	2/2/2				
Signature:			Date:	43/10				

GROUNDWATER SA	MPLE INFORMATION SHEET				
Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E				
Sample I.D.: MW - 1651)	Well Location:				
Monitoring Well Data	Sample Types (circle all applicable)				
Well Material (PVQ/SS/Te					
Inside Diameter, in. (1/2)4 6)	Grap/Composite				
Stick up or stick down height	ft Split Sample				
Total depth of well (TD) 46.50 44.65	ft Duplicate (Duplicate ID:)				
Depth to product	ft MS/MSD				
Depth to water (DTW) 13.95 14.75	t ft Other				
Conventional sampling ←OR=	⇒ Micropurge sampling				
Height of water column	Depth of pump placement				
(H = TD - DTW) ft	(place mid-screen) 4865 ft				
Conversion value (CV)* x	Bubbles purged from flow cell?				
1 Well volume = H x CV = gal	Is drawdown >0.3 feet				
3 Well volumes = gal	Was passive sampling used? Y				
Purge method	Flowrate = mL/min				
(B = bailer, P = pump) B / P	ID number from controller console #				
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia =	= 0.16, 4" dia $= 0.65, 6$ " dia $= 1.47$				
Field Test(s) Stability Result Re	esult <u>Result Result Result Result</u>				
	<u>min)</u> (9 min) (12 min) (15 min) (18 min) (21 min)				
	48 11.51 (1.53				
~ P • • • • • • • • • • • • • • • • • •	14 .771 .773				
D.O. (mg/L) +/- 10%** 1.30 1.					
pH +/- 0.1 7.14 7.					
ORP (mV) +/- 10 mV** 155 1	11 160 165				
Turbidity (NTU) +/- 10%**					
$H_2S \text{ (mg/L)}$					
Fe ²⁺ (mg/L)					
Check stability after three readings and every readi					
**Only one of these parameters must reach stabilit	y.				
Observations					
Observations: Volume of water purged from well: Magallo	ne				
Sample Date: 2 / 3 / 10 Sample	le Time: $\underline{14}$: $\underline{00}$ (military time)				
Was metals sample filtered prior to preservation?	YES No method: 0.45 µm cartridge / other:				
Color of water before filtration: After	filtration: NA				
Reaction upon addition of preservatives? YES ON explain:					
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)					
Well condition:					
Signature:					
	£				

GROUNDWATER SAMPLE INFORMATION SHEET					
Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E				
Sample I.D. A.W. 1665	Well Location:				
Dampie 1.D2.47. 1.D0					
Monitoring Well Data Well Material (PVC/SS/Teflo					
Inside Diameter, in. (1246)	-Grab/Composite				
Stick up or stick down height	ft Split Sample				
Total depth of well (TD) $\sqrt{9.20}$	ft Duplicate (Duplicate ID:)				
Depth to product	ft MS/MSD				
Depth to water (DTW) 14.97 14.75	ft Other				
Conventional sampling ←OR⇒	Micropurge sampling				
Height of water column	Depth of pump placement				
(H = TD - DTW) ft	(place mid-screen) /6,20 ft				
Conversion value (CV)* x	Bubbles purged from flow cell?				
1 Well volume = H x CV = gal	Is drawdown >0.3 feet				
3 Well volumes = gal	Was passive sampling used? Flowrate = mL/min				
Purge method	1 10 Wide				
(B = bailer, P = pump) B/P	ID Hamber from Convenier Const				
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia =	$0.16, 4^{\circ} \text{ dia} = 0.65, 6^{\circ} \text{ dia} = 1.47$				
	ult Result Result Result Result				
Field Test(s) Stability Result					
Performed Range (3 min) (6 min) Temperature (°C) +/- 3% 14.74. 14.74.					
Spec. Cond (μmhos) +/- 3% //- 10%** /- 554					
pH +/- 0.1 7.02 7.02					
ORP (mV) +/- 10 mV** 203 200					
Turbidity (NTU) +/- 10%**					
$H_2S \text{ (mg/L)}$					
Fe^{2+} (mg/L)					
Check stability after three readings and every reading **Only one of these parameters must reach stability.					
Observations:					
Volume of water purged from well: MA gallon	S 15 311				
Sample Date: $\frac{2}{3}$ $\frac{3}{10}$ Sample	Time: $\frac{5}{2}$: $\frac{30}{2}$ (military time)				
Was metals sample filtered prior to preservation? YES method: 0.45 µm cartridge / other:					
Color of water before filtration: <u>NA</u> After filtration: <u>NA</u>					
Reaction upon addition of preservatives? YES NO explain:					
Appearance of Water: (Clear/Slightly Turbid/Turbid	arvery ruroid;				
Well condition: OK					

Date: 2/3/10

GROUNDWATER SAN	WILE INFORMATION SHEET				
Facility Name: G> P > former Allison Plant 10	KEI Project #: 2829E				
Sample I.D.: 111W - 166D	Well Location:				
Monitoring Well Data Well Material (PVC/SS/Tefl	Sample Types (circle all applicable) Monitoring Well				
Inside Diameter, in. $(1 \mathcal{Q} 4 6)$	Grab/Composite				
Stick up or stick down height	ft Split Sample				
Total depth of well (TD) 49.65 46.50	ft Duplicate (Duplicate ID:)				
Depth to product	ft MS/MSD				
Depth to water (DTW) 14.74 13.95	ft Other				
Conventional sampling ←OR⇒	Micropurge sampling				
Height of water column	Depth of pump placement 46.65				
(H = TD - DTW) ft	(place mid-screen) $\frac{473,52}{}$				
Conversion value (CV)* x	Bubbles purged from flow cell?				
1 Well volume = H x CV = gal	Is drawdown >0.3 feet				
$3 \text{ Well volumes} = {}$ = gal	Was passive sampling used? Y				
Purge method	Flowrate = mL/mi				
(B = bailer, P = pump) B/P	ID number from controller console #				
*Conversion values (gal/ft): 1" dia = 0.04, 2" dia =	0.16, 4" dia = 0.65, 6" dia = 1.47				
Field Test(s) Stability Result Res	sult Result Result Result Result Result				
	<u>min)</u> (9 min) (12 min) (15 min) (18 min) (21 min)				
	44 14.44				
Spec. Cond (µmhos) +/- 3% 1754 .98					
D.O. (mg/L) +/- 10%** /.2 ¹ / ₁ /.2					
pH +/- 0.1 7118 7.1					
ORP (mV) +/- 10 mV** /24 /2	<u> </u>				
Turbidity (NTU) +/- 10%**					
$H_2S \text{ (mg/L)}$					
Fe ²⁺ (mg/L)	(1) (1) (1) (1) (1)				
Check stability after three readings and every reading					
**Only one of these parameters must reach stability	·				
Observations:					
Volume of water purged from well: gallor	ns				
Sample Date: 2/3/10 Sample	e Time: 15:00 (military time)				
Was metals sample filtered prior to preservation?	YES No method: 0.45 µm cartridge / other:				
Color of water before filtration: After:					
Reaction upon addition of preservatives? YES	explain:				
Appearance of Water: (Clear/Slightly Turbid/Turbi					
Well condition: OK					
Signature:	Date: $\frac{2/3}{0}$				